2. "Sanskrit—Computational" by Dr. E. Schredl, Germany, 1990.

3. "On Knowledge Representation using Semantic Networks and Sanskrit" by S. N. Srihari, WJ. Rapaport and D. Kumar. Technical Report 87-03 of SUNY at Buffalo, USA, (Describes SNePS, a Semantic Network tool for NIP).

4. "Knowledge Representation in Sanskrit and CAI" by Rick Briggs, NASA, USA, AL Magazine, Spring, 1985.

5. "The morphological analysis of Sanskrit by Computer" by A. Verboom, Institut Kern, Germany, Ph. D. Thesis.

6. "The Paninian approach to Natural Language Processing" by Prof. Subhash C. Kak, Lousiana State University USA.

7. "A Knowledge Representation Language based on Navya-Nyaya" by Anand V. Hudli, Indiana University, USA.

Computer-Based Corpus and Dictionaries for Sanskrit

3164. PROF. PREM DHUMAL : Will the PRIME MINISTER be pleased to state :

(a) whether there are any computer-based corpus and dictionaries for Sanskrit; if so, the details thereof ;

(b) whether there is any computer-based bilingual dictionary of Sanskrit and a foreign language ;

(c) whether the Government propose to develop computer-based Sanskrit dictionary with syntactic and semantic features ;

(d) the manner in which Sanskrit lexicographers are likely to be involved ; and

(e) the estimated budget, duration and scientific manpower deployment in such a work ?

THE MINISTER OF STATE IN THE MINISTRY OF PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS (SHRIMATI MARGARET ALVA) : (a) and (b) No, Sir.

(c) The Centre for Development of Advanced Computing (C-DAC), Pune, an autonomous registered Society under the administrative control of Department of Electronics is engaged in developing a Sanskrit Paninian platform (a corpus Grammar) with Astadhyayi (Sutrapatha), Ganapatha (Nominal formation), Dhatupatha (Verbal formation), Linganusasana (gender) and Siksa (Phonetics), with diacritical marks (Roman transliteration) and accents (for Vedic Sanskrit) besides the facilities for North and South Indian and Perso-Arabic transliterations.

(d) and (e) Such development work will involve close interaction between the Sanskrit Lexicographers and computer scientists. A project has been initiated under Department of Electronics Technology Development for Indian Languages (TDIL) Programme for the development of Lexicon at Sampurnanand Sanskrit University, Varanasi. A budget of Rs. 33.5 lakhs has been estimated for this project with a duration of three years.

[Translation]

Setting up of Industries in Ajamgarh, U.P.

3165. SHRI RAM BADAN : Will the